Indian Journal of Mycology and Plant Pathology

VOLUME 7, 1977

CONSISTING OF VIII+212 PAGES

TITLE INDEX

No. 1, JANUARY-JUNE

Nariani	1
Casing soil and compost substrates used in the artificial culture of Agaricus bisporus the cultivated mushroom— W. A. Hayes and T. R. Shandilya	5
Assessment of loss, symptomatology and occurrence of bacterial leaf spot of chillies caused by Xanthomonas vesicatoria in Rajasthan—P. S. Shekhawat and B. P.	
Chakravarti—	11
Some xylariaceous fungi from India— K. S. Waraitch	15
Plant pathogens associated with Typha angustata— K. M. Ponnappa	20
Chemical control of leaf spot of maize incited by Curvularia pallescens - S. Lal and	
H. S. Tripathi	23
Some studies on the soybean rust caused by Phakopsora pachyrhizi- K. P. Singh	
and P. N. Thapliyal	27
Location of Fusarium moniliforme in kernels of maize and disease transmission-	
Dalbir Singh and Tribhuwan Singh	
Utilization of banana peel by fungi for protein and carboxymethyl production— R. P	
Sethi and S. M. Sood	
Rate of development of bacterial blight in rice varieties with varying degrees of	
susceptibility— A. Premalatha Dath, S. Y. Padmanabhan and S. Devadath	
Studies on the chemical control of root and stem rot of Brassica juncea caused by Macrophomina phaseolina— J. N. Rai and S. K. Srivastava	
Possible role of sugars, phenols and gossypol in cotton seedling and disease resistance—	
R. Ramasami and N. Shanmugam	
The genera Sepultaria and Sphaerosporella in India— K. S. Waraitch	5.5
PHYTOPATHOLOGICAL NOTES	
Polygalacturonase production by Alternaria cepulae, the causal agent of leaf blight of	f
onion-K. M. Ponnappa, T. B. Anilkumar, V. V. Sulladmath and P.C. Hiremath	

Effect of chopped leaves of various plants and sewage on the plant growth and reniform nematode, Rotylenchulus reniformis—Arjun Lal, B. S. Yadav and R. P. Nandwana	68
Plant maturity in relation to maize stalk rot development incited by Cephalosporium acremonium— B. M. Gupta and B. L. Renfro	70
A note on mango canker in Andhra Pradesh— A. Papa Rao, V. V. Ranga Rao and S.V. Pandit	71
Nutritional requirements of fungi. I. Influence of different carbon compounds on the growth of Nigros pora oryzae—G. S. Rawla and S. K. Tandon	72
Changes in the amino acid contents in papaya leaves affected by virus diseases— Kusum Mathur and D. D. Shukla	74
Chemical control of seedling blight of jute caused by Macrophomina phaseoli— Thakur Ji and S. P. Singh	75
Fungicidal control of turmeric leaf spot incited by Taphrina maculans— V.P. Srivastava and J. H. Gupta	76
Effect of different chemicals against Geotrichum candidum causing sour rot of citrus fruits— J. L. Kaul, R. L. Sharma and T. R. Shandilya	78
Resistance in some cotton cultivars to <i>Curvularia lunata</i> — S. S. Kore and V.P. Bhide Effect of trace element and growth regulators on <i>Fusarium oxysporum</i> , the cause of	80
potato wilt— N. M. Ganacharya and B. N. Wankar Inoculation methods of brown spot of maize caused by <i>Physoderma maydis</i> — B. B. Lal	81
and B. P. Chakravarti	82 85
Potato virus X inhibition by leaf extract of <i>Cedrus deodara</i> —Vijai Singh and R.A. Singh <i>Melothria maderas patana</i> — A new host of <i>Pseudoperonos pora cubensis</i> — S. S. Bains,	
S. S. Sokhi and J. S. Jhooty	86
and Satyabrata Maiti	87
Khanna, V. K. Singh and P. C. Verma	88
and Kamal Mohnot	90
R. P. Dwivedi and R. P. Singh	91
and H. S. Tripathi	92
A report on the infestation of Urid (<i>Phaseolus mungo</i>) crop by root knot nematode— M. K. Jain and R. B. Rewari	94

Giant cells induced by nematode, Meloidogyne incognita Chitwood in Capsicum annuum	n 95
and Ahelmoschus esculentus— A. Bhatnagar, P. C. Trivedi and B. Tiagi	
Field losses due to bacterial leaf spot of Sesamum orientale in Rajasthan—Ranjee Vajavat and B. P. Chakravarti	. 97
A mosaic disease of Urd from Kanpur, India—S. C. Atheya	00
Evaluation of wheat varieties against loose smut pathogen (Ustilago tritici) in Rajasthan	
R. B. L. Gupta, G.C. Bhatnagar and Vijay Laxmi Mishra	. 100
Occurrence of stem canker disease of Melilotus alba and varietal reaction against it-	
S. S. Chahal, S. S. Aujla, M. S. Soho and S. M. Beri	400
Additional hosts of the root knot nematode, Meloidogyne javanica— K. D. Upadhyay	7,
R. P. Dwivedi and G. Singh	103
Infectivity of sporangia of Sclerospora graminicola on pearl millet downy mildew-	_
D. P. Thakur and Z. S. Kanwar	104
New Books	106
Errata	106
No 2 Intro-December	
No. 2, JULY-DECEMBER	
No. 2, July-December Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi	. 107
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene	ic 111
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Math	ic 111 ur
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Matha and D. D. Shukla	ic 111 ur 115
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla	ic 111 ur 115 la
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla and Shri Ram	ic 111 ur 115 la 122
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Matha and D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shuk and Shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara	ic 111 ur 115 la 122 127
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla and Shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara The genus Peronospora in Himachal Pradesh— A. D. Sharma and R. L. Munjal	ic 111 ur 115 la 122 135
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Matha and D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shuk and Shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara The genus Peronospora in Himachal Pradesh— A. D. Sharma and R. L. Munjal New records of fungi associated with Cannabis sativa— K. M. Ponnappa	ic 111 ur 115 la 122 135 139
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla not shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara The genus Peronospora in Himachal Pradesh— A. D. Sharma and R. L. Munjal New records of fungi associated with Cannabis sativa— K. M. Ponnappa Virulence and in vitro sulphur utilization relationship in some isolates of Macrophomic	ic 111 ur 115 la 122 127 135 139
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathiand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla and Shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara The genus Peronospora in Himachal Pradesh— A. D. Sharma and R. L. Munjal New records of fungi associated with Cannabis sativa— K. M. Ponnappa Virulence and in vitro sulphur utilization relationship in some isolates of Macrophomic phaseolina, causing stem and root rot of oleiferous crucifers— J. N. Rai and R. L. Schwarzen L. S. K. S. Schwarzen L. S. K. S. S. S. S. S. Schwarzen L. S. S. S. S. S. Schwarzen L. S. S. S. S. S. Schwarzen L. S.	ic 111 ur 115 la 122 127 135 139
Varietal reaction of jowar to two leaf spot diseases— D. S. Singh and M. S. Pavgi Factors affecting symptom expression and incubation period of bean common mosa virus in urd bean—R.N. Singh and Y. L. Nene Virus diseases of papaya (Carica papaya) in Udaipur— S. K. Sureka, Kusum Mathand D. D. Shukla Natural occurrence of three different viruses on chillies in Rajasthan— D. D. Shukla nd Shri Ram Some stipitate Hydnums from North Western Himalayas— H. S. Khara The genus Peronospora in Himachal Pradesh— A. D. Sharma and R. L. Munjal New records of fungi associated with Cannabis sativa— K. M. Ponnappa Virulence and in vitro sulphur utilization relationship in some isolates of Macrophomic phaseolina, causing stem and root rot of oleiferous crucifers— J. N. Rai and	ic 111 ur 115 la 122 135 139 ma and 143

Additions to Indian soil fungi: Saprophytic Moniliales of Assam and Meghalaya— C. P. Agarwal	150
PHYTOPATHOLOGICAL NOTES	
On the inoculation techniques with bacterial wilt pathogen, Pseudomonas solanacearum-R. L. Keshwal	153
Effect of pH, carbon and nitrogen nutrition on the growth and sporulation of Alternaria tenuis— K. N. Goyal	155
Studies on damping-off disease of pea caused by <i>Rhizoctonia solani</i> I. Control measures-P. Shukla, R. P. Singh and M. Prasad	157
A new leaf spot disease of cowpea— P. Shukla, B. Lal, R. P. Singh and P. N. Singh	159
Some aspects of inoculation of Fusarial wilt of sunflower— N. M. Ganacharya, B. N.	
Ghodajkar and V. T. Jadhav	160
New diseases on some hosts of economical importance— J. S. Jhooty, S. S. Sokhi, S. S. Bains and H. S. Rewal	162
Control of white rust and Alternaria leaf spot of mustard— I. J. Gupta, B. S. Sharma and G. G. Dalela	163
Occurrence of brown spot of soybean caused by Septoria glycines in India— G. S. Saharan, B. M. Singh and A. K. Sood	165
Incidence of leaf blight of maize as influenced by varying levels of zinc—S. S. Aujla,	103
K. S. Sandhu and Y. R. Sharma	166
New host record of Oidium sp.— S. N. Sachan and M. R. Sharma	167
Turmeric (Curcuma longa) — A new host of Curvularia lunata — S. S. Kore and	168
V. P. Bhide	100
Sachan and A.P. Singal	169
Two new diseases of Dolichos biflorus in India— A. D. Sharma	170
Studies on seed mycoflora of some medicinal plants— A. D. Sharma	171
Field assessment of systemic and contact fungicides in the control of powdery mildew of <i>Pisum sativum</i> — D. C. Khatua, S. Maiti, S. Bandopadhyay and C. Sen	173
Collar rot disease of pea caused by <i>Rhizoctonia solani</i> — P. Shukla, R. P. Dwivedi and R. P. Singh	175
Control of leaf blight of Rosa indica and Cinnamomum camphora caused by Glomerella	
cingulata— K. K. Khanna and S. Chandra	176
Varietal reaction of guava fruits to <i>Phytophthora nicotianae</i> var. <i>parasitica</i> —P.C. Gupta R. L. Madaan and L. S. Suhag	177

TITLE INDEX

]	Effect on catalase activity of chilli Capsicum annuum plants infected with cucumber	
	mosaic virus— L. N. Dubey and R. D. Joshi	178
	Antifungal activity of some plant extracts— Sheikh R. Ahmed and J. P. Agnihotri	180
1	Studies on spore germination of Alternaria alternata in the sap extracted from tobacco	
	plants infected with potato virus X— L. N. Dubey and R. D. Joshi	182
1	Stage of rye (Secale cereale) spikes at the time of inoculation in relation to the yield	
	of ergot sclerotia-V. R. Pandotra, R. N. Thakur and K. S. M. Sastry	183
	New records of graminicolous Helminthosporia from India— Om Prakash and A. P.	
	Misra	185
	Desmodium triflorum mottle-A virus disease-R.D. Joshi, B.D. Suteri and L.N. Dubey	189
	Reaction of wheat varieties to Alternaria blight— V. K. Singh, B. M. Khanna and	
	P. C. Verma	190
		1,70
	Acroconidiella leaf spot of Tropaeolum majus from Kumaon— R. D. Joshi and L. N.	101
	Dubey	191
	Comparative resistance in some sorghum germplasm against three different pathogens	
	causing leaf spot diseases—S. C. Pandey, T. N. Shukla and A. K. Dixit	192
	Germination of spores of Ustilago hardei and U scitaminea in water extracts of	
	amended soil—R. S. Singh, H. S. Chaube and B. P. Pal	195
	Studies on nutritional requirements of alternaria alternata and Gloeosporium fructi-	
	genum— T. S. Thind	197
	Screening of sunflower germplasm against Sclerotinia root rot— J. M. Agrawat, S. J.	
	Mai III Double	200
	Studies on sorghum red-stripe virus disease in Maharashtra— V. R. Mali and T. B.	
	Garud	201
	Occurrence of pink disease and rust of plum in India—K.S. Waraitch and H.L. Khatri	
	Inhibition of the spore germination of some fruit rot pathogens by culture filtrates of	
	Fusarium species— A. P. Singh, S. N. Bhargava, K. K. Khanna and S. Chandra	
	Barley varieties as a source of resistance to spot blotch (Helminthosporium sativum)—	
	Om Prakash and A. P. Misra	208
	New Books	210
	Statement about ownership and other particulars about Indian Journal of Mycology and	
	Plant Pathology	211
	Thirteenth International Botanical Congress	211
	Summer Institute in Seed Pathology	212
	Necrology- Dr. H L. Khatri	212

AUTHOR INDEX

Author	Page	Author	Page
Agarwal, C. P.	150	Jadhav, V. T.	160
Agnihotri, J. P.	180	Jain, M. K.	94
Agrawat, J. M.	200	Jhooty, J. S.	86, 162
Ahmed, Seikh R.	180	Joshi, R. D.	178, 182, 189, 191
Anilkumar, T. B.	67	Kanwar, Z. S.	104
Arjun Lal	68	Kapoor, K. S.	147
Atheya, S. C.	99	Kaul, J. L.	78
Aujla, S. S.	102, 166	Keshwal, R. L.	153
Bains, S. S.	86, 162	Khanna, B. M.	88, 190
Bandopadhyay, S.	173	Khanna, K. K.	176, 206
Beri, S. M.	102	Khara, H. S.	127
Bhargava, S N.	206	Khatri, H. L.	203
Bhatnagar, A.	95	Khatua, Dinesh C.	87, 173
Bhatnagar, G. C.	100	Kore, S. S.	80, 168
Bhide, V. P.	80, 168	Lal, B.	159
Chahal, S. S.	102	Lal, B. B.	82
Chakravarti, B. P.	11, 82, 97	Lal, S.	23, 92
Chandra, S.	176, 206	Madaan, R. L.	177
Chaube, H. S.	195	Maiti, Satyabrata	87, 173
Chhipa. H. P.	200	Mali, V. R.	201
Dalela, G. G.	163	Mathur, Kusum	74, 115
Dath, A. Premlatha	43	Mathur, S. J.	200
Devadath, S.	43	Mishra, Vijay Laxmi	100
Dixit, A. K.	192	Misra, A P.	185, 208
Dubey, L. N.	178, 182, 189, 191	Mohnot, Kamal	90
Dwivedi, R. P.	91, 103, 175	Munjal, R. L.	135
Ganacharya. N. M.	81, 160	Nagpal, G. K.	1
Gangopadhyay, S.	147	Nandwana, R. P.	68
Garud, T. B.	201	Nariani, T. K.	1
Ghodajkar, B. N.	160	Nene, Y. L.	111
Goyal, K. N.	155	Om Prakash	185, 208
Gupta, B M.	70	Padmanabhan, S. Y.	43
Gupta, I. J.	163	Pal, B. P.	195
Gupta, J. H.	76	Pandey, Rajendra	91
Gupta, P. C.	177	Pande, S. C.	71
Gupta, R. B. L.	100	Pandit, S. V.	183
Hayes, W. A.	5	Pandotra, V. R.	71
Hiremath, P. C.	67	Papa Rao, A.	/1

AUTHOR INDEX

Author	Page	Author	Page
Pavgi, M. S.	107	Singh, R. A.	85
Ponnappa, K. M.	20, 67, 139	Singh, R. P.	91, 157, 159, 175
Prasad, M.	157	Singh, R. N.	111
Rai, J. N.	47, 143	Singh, R. S.	195
Ramasami, R.	52	Singh, S. P.	75
Ranga Rao, V. V.	71	Singh, Tribhuwan	32
Rawla, G. S.	72	Singh, Vijai	85
Renfro, B. L.	70	Singh, V. K.	88, 190
Rewal, H. S.	162	Singhal, A. P.	10169
Rewari, R. B.	94	Soho, M. S.	102
Sachan, S. N.	167, 169	Sokhi, S. S.	86, 162
Saharan, G. S.	165	Soni, S. R.	90
Sandhu, K. S.	166		165
Sastry, K. S. M.	183	Sood, S. M.	39
Sen, C.	173	Srivastava, S. K.	47, 143
Sethi, R. P.	39	Srivastava, V. P.	76
Shandilya, T. R.	5, 78	Suhag, L. S,	177
Shanmugam, N.	-52	Sulladmath, V. V.	67
Sharma, A. D.	135, 170, 171	Sureka, S. K.	115
Sharma, B. S.	163	Suteri, B. D.	189
Sharma, M. R.	167	Tandon, S. K.	72
Sharma, R. L.	78	Thakur, D. P.	104
Sharma, Y. R.	166	Thakur, R. N.	183
Shekhawat, P. S.	11	Thakur Ji	75
Shri Ram	122	Thapliyal, P. N.	27
Shukla, D. D.	74, 115, 122	Thind, T. S.	197
Shukla, P.	91, 157, 159, 175	Tiagi, B.	95
Shukla, T. N.	192	Tripathi, H. S.	23, 92
Singh, A. P.	206	Trivedi, P. C,	95
Singh, B. M.	165	Upadhyay, K. D.	103
Singh, Dalbir	32	Vajavat, Ranjeet	97
Singh, D. S.	107	Verma, P. C.	88, 190
Singh, G.	103	Wankar, B. N.	81
Singh, K. P.	27	Waraitch, K. S.	15, 55, 203
Singh, P. N.	159	Yadav, B. S.	68